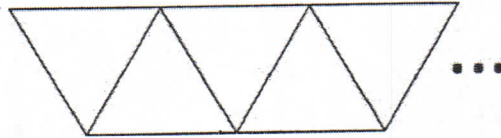


Illustrative Mathematics

6.EE Triangular Tables

Alignment 1: 6.EE.B

A classroom has triangular tables. There is enough space at each side of a table to seat one child. The tables in the class are arranged in a row (as shown in the picture below).



- How many children can sit around 1 table? Around a row of two tables? Around a row of three tables?
- Find an algebraic expression that describes the number of children that can sit around a row of n tables. Explain in words how you found your expression.
- If you could make a row of 125 tables, how many children would be able to sit around it?
- If there are 26 children in the class, how many tables will the teacher need to seat all the children around a row of tables?